Attachment #10

FORM PTO-1449 US Dept. of Commerce Patent and Trademark Office	ATTORNEY DOCKET NO. 4115-161	SERIAL NO. 09/878,454
INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	APPLICANT Monterio, et al.	
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U.S. PATENT DOCUMENTS

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TMi	AA	Blacker, D., M.A. Wilcox, N.M. Laird, L. Rodes, S.M. Horvath, R.C. Go, R. Perry, B.J. Watson, 5.5 Bassett, M.G. McInnis, et al. 1998. Alpha-2 macroglobulin is genetically associated with Alzheimer disease. *Nat. Gene.* 19;357-360
	AB	Buscigho, J., H. Harmann, A. Lorenzo, C. Wong, K. Baumarn, B. Sommer, M. Staufenbiel, and B.A. Yanlcner. 1997. Neuronal localization of presenilin-1 and association with amyloid plaques and neurofibrillary tangles in AD. *J Neurosci.* 17:5101-5107
	AC	Capell, A., R. Saffrich, J.C. Olivo, L. Meyn, J. Walter, J. Orunberg, P. Mathews, R. Nixon, C. Dotti, and C. Haass. 1997. Cellular expression and proteolytic processing of presenilin proteins is developmentally regulated during neuronal differentiation. *J Neurochem.* 69:2432-2440
	AD	Caulin, C., G.S. Salvesen, and R.G. Oshima. 1997. Caspase cleavage of keratin 18 and reorganization of intermediate filaments during epithelial cell apoptosis. *J Cell Biol.* 138:1379-1394
	AE	Corder, E.H., A.M. Saunders, W.J. Strittmatter, D.F. Schmechel, P.C. Gaskell, G.W. Small, A.D. Roses, J.L. Haines, and M.A. Pericak-Vance. 1993. Gene dose apolipoprotein E type 4 allele and the risk of AD in late onset families. *Science* 261:921-923
	AF	Deng, G., C.J. Pike, and C.W. Cotman. 1996. Alzheimer-associated presenilin-2 confers increased sensitivity to apoptosis in PC12 cell. *FEBS Letts.* 397:50-54
	AG	Dewji, N.N., C. Do, and S.J. Singer. 1997. On the spurious endoproteolytic processing of the presenilin proteins in cultured cells and tissues. *Proc. Natl Acad Sci.* 94:14031-14036
	AH	Dewji, N.N., and S.J. Singer. 1997. Cell surface expression of the Alzheimer disease-related presenilin proteins. *Proc. Natl. Acad Sci. USA* 94:9926-9931
	AI	Golemis, E., J. Gynris, and R. Brent. 1996. Interaction trap/two-hybrid system to identify interacting proteins. *In* Current Protocols in Molecular Biology, R. B. F.A. Ausubel, R.E. Kingston, D.D. Moore, J.G. Seidman, J.A. Smith, K, Struhl, ed. (New York: John Wiley & Sons), pp. 20.1.1-20.1.28
↓	AJ	Guo, Q., K. Furukawa, B.L. Sopher, D.G. Pham, J. Xie, N. Robinson, G.M. Martin, and M.P. Mattson. 1996. Alzheimer's PS-1 mutation perturbs calcium homeostasis and sensitizes PC 12 cells to death induced by amyloid β peptide. *Neuroreport* 8:379-383

Continue on Page 2

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	AK	Guo, Q., B.L. Sopher, K. Furukawa, D.G. Pham, N. Robinson, G.M. Martin, and M.P. Mattson. 1997. Alzheimer's presenilin mutation sensitizes neural cells to apoptosis induced by trophic factor withdrawal and amyloid beta-peptide: involvement of calcium and oxyradicals. *J Neurosci.* 17:4212-4222
	AL	Guo, Q., N. Robinson, and M. Mattson. 1998. Secreted β-amyloid precursor protein counteracts the proapoptotic action of mutant presenilin-1 by activation of NF-κβ and stabilization of calcium homeostasis. *J Biol. Chem.* 273:12341-12351
	AM	Guo, Q., S. Christakos, N. Robinson, and M.P. Mattson. 1998. Calbindin D28k blocks the proapoptotic actions fo mutant presenilin 1: reduced oxidative stress and preserved mitochondrial function. *Proc. Natl. Acad Sci. USA* 95:3227-3232
	AN	Haass, C. 1997. Presenilins: Genes for life and death. *Neuron* 18:687-690
	AO	Hardy, J. 1997. Amyloid, the presenilins and Alzheimer's disease. *TINS* 20:155-159
	AP	Janicki, S., and M.J. Monteiro. 1997. Increased apoptosis arising from increased expression of the Alzheimer's disease-associated presenilin-2 mutation (N1411). *J Cell Biol.* 139:485-495
	AQ	Janicki, S., and M.J. Monteior. 1999. Presenilin overexpression arrests cells in the Gi phase of the cell cycle: arrest potentiated by the Alzheimer's disease PS2(N1411) mutant. *Am. J Pathol.* 155, 135-144
	AR	Janicki, S.M., S.M. Stabler, and M.J. Monteiro. 2000. Familial Alzheimer's disease presenilin-1 mutants potentiate cell cycle arrest. *Neurobiol Aging.* 21:829-836
	AS	Keller, J.N., Q. Guo, F.W. Holtsberg, A.J. Bruce-Keller, and M.P. Mattson. 1998 Increased sensitivity to mitochondrial toxin-induced apoptosis in neural cells expressing mutant presenilin-1 is linked to perturbed calcium homeostasis and enhanced oxyradical production. *J Neurosci.* 18:4439-4450
	AT	Kim, T.W., W.R. Pettingell, Y.K. Jung, D.M. Kovacs, R.E. Tanzi. 1997. Alternative cleavage of Alzheimer-associated presenilins during apoptosis by a caspase-3 family protease. *Science* 277:373-376
	AU	Kobayashi, M., K. Takamatsu, S. Saitoh, and T. Noguchi. 1993. Myristoylation of hippocalcin is linked to it calcium-dependent membrane association properties. *J. Biol. Chem.* 268(25): 18898-18904

Continue on Page 3

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TLS	AV	Kovacs, D.M., H.J. Fausett, K.J. Page, T.W. Kim, W.D. Moir, D.E. Merriam, R.D. Hollister, O.G. Hallmark, R. Mancini, K.M. Felsenstein, et al. 1996. Alzheimer-associated presenilins 1 and 2: neuronal expression in brain and localization to intracellular membranes in mammalian cells. *Nature Med* 2:224-229
	AW	Lee, M.K., Z. Xu, P.C. Wong, and D.W. Cleveland. 1993. Neurofilaments are obligate heteropolymers *in vivo*. *J. Cell Biol.* 122:1337-1350
	AX	Leissring, M.A., Parker, I. And LaFerla, F.M. 1999. Presenilin-2 mutations modulate amplitude and kinetics of inositol 1, 4,5-trisphosphate-mediated calcium signals. *J Biol. Chem.* 274, 32535-32538
	AY	Li, J., M. Xu, H. Thou, J. Ma, and H. Potter. 1997. Alzheimer presenilins in the nuclear membrane, interphase kinetochores, and centrosomes suggest a role in chromosome segregation. *Cell* 90:917-927
	AZ	Loetscher, H., U. Deuschle, M. Broclchaus, D. Reinbardt, P. Nelboeck, J. Mous, J. Grunberg, C. Haass, H. Jacobsen. 1997. Presenilins are processed by caspase-type proteases. *J. Biol. Chem.* 272(33):20655-20659
	BA	Mical, T.I., and M.J. Monteiro. 1998. The role of sequences unique to nuclear intermediate filaments in the targeting and assembly of human lamin B: Evidence for lack of interaction of lamin B with its putative receptor. *J Cell Sci.* 111:3471-3485
	BB	Monteiro, M.J., C. Hicks, L. Gu, and S. Janicki. 1994. Determinants for intracellular sorting of cytoplasmic and nuclear intermediate filaments. *J Cell Biol* 127:1327-1343
	BC	Monteiro, M.J., and T. Mical. 1996. Resolution of Kinase activities during the HeLa cell cycle: Identification of kinases with cyclic activities. *Exp. Cell Res.* 223:443-451
	BD	Montoya, S.F., C.F. Aston, S.T. DeKosky, M. Ilyas Kamboh, J.S. Lazo, and R.E. Ferrell. 1998 Bleomycin hydrolase is associated with risk of sporadic Alzheimer's disease. *Nature Genet.* 18:211-212
	BE	Naik, U.P., P.M. Patel, and L.V. Parise. 1997. Identification of a novel calcium-binding protein that interacts with the integrin alphaIIb cytoplasmic domain. *J Biol. Chem.* 272:4651-4654
	BF	Olshevskaya, E.V., R.E. Hughes, J.B. Hurley, and A.M. Dizhoor. 1997. Calcium-binding, but not a calcium –myristoyl switch, controls the ability of guanylyl cyclase-activating protein GCAP-2 to regulate photoreceptor guanylyl cyclase. *J Biol. Chem.* 272:14327-14333

Continue on Page 4

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Thi	BG	Pack-Chung, E., Myers, M.B., Pettingell, W.P., Cheng, I., Moir, R.D., Brownawell, A.M., Tanzi, R.E., and Kim, T.W., 2000. Presenilin 2 interacts with sorcin, a modulator of the ryanodine receptor. *J Biochem.* 275:14440-14445
	BH	H. Payami, G.D. Schellenberg, S.,Zareparsi, J. Kay, G.J. Sexton, M.A., Head, S.S. Matsuyama, L.F. Jarvik, B. Miller, D.Q. McManus, et al., 1997. Evidence for association of HLA-A2 allele with onset age of Alzheimer's disease. *Neurology.* 49:512-518
	BI	Pericak-Vance, M.A., M.P. Bass, L.H. Yammaoka, P.C. Gaskell, W.K. Scott, R.A. Terwedow, M.M. Menold, P.M. Conneally, G.W. Small, J.M. Vance, et al. 1997. Complete genomic screen in late-onset familial Alzheimer disease. Evidence for a new locus on chromosome 12. *JAMA* 278:1237-1241
	BJ	Peruz-Tur, J., S. Froelich, G. Prihar, R. Crook, M. Baker, K. Duff, M. Wragg, F. Busfield, C. Lendon, R.F. Clark et al. 1995. A mutation in Alzheimer's disease destroying a splice acceptor site in the presenilin-1 gene. *Neuroreport* 7:297-301
	BK	Reynolds, A., and V. Lundblad. 1989. Yeast vectors and assays for expression of cloned genes in Current Protocols in Molecular Biology, R.B. F.A. Ausubel, R.E. Kingston, D.D. Moore, J.G. Seidman, J.A. Smith, K, Struhi, ed. (New York: John Wiley & Sons), pp. 13.6.1-13.6.4
	BL	Stabler, Stacy M., Identification and Characterization of Calmyrin, a Presenilin 2 Interactor that Modulates Calcium Signaling and Apoptosis. PhD. Dissertation, April 2001
	BM	Smine, A., X. Xu, K. Nishiyama, T. Katada, P. Gambetti, S.P. Yadav, X. Wu, Y.C. Shi, S. Yasuhara, V. Homburger, and T. Okamoto. 1998. Regulation of brain G-protein Go by Alzheimer's disease gene presenilin-1. *J Biol. Chem.* 273:16281-16288
	BN	Thinakaran, G., D.R. Borchelt, M.K. Lee, H.H. Slunt, L. Spitaer, G. Kim, T. Ratovitsky, F. Davenport, C. Nordstedt, M. Seeger, et al. 1996. Endoproteolysis of presenilin 1 and accumulation of processed derivatives *in vivo*. *Neuron* 17:181-190
	BO	Vito, P., E. Lacana, and L.D. D'Adamio. 1996a. interfering with apoptosis: Ca^{2+}-binding protein ALG-2 and Alzheimer's disease gene ALG-3 *Science* 271:521-525
	BP	Vito, P., B. Wolozin, J.K. Ganjei, K. Iwasaki, B. Lacana, and L.D. D'Adamino. 1996b. Requirement of the familial Alzheimer's disease gene P52 for apoptosis. *J Biol Chem.* 271:31025-31028
	BQ	Vito, P., et al. 1997. Generation of anti-apoptotic presenilin-2 polypeptides by alternative transcription, proteolysis, and caspase-3 cleavage. *J Biol. Chem.* 272:28315-28320

Continue on Page 5

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	BR	Wilcox, C., J.S. Hu, and E.N. Olson. 1987. Acylation of proteins with myristic acid occurs cotranslationally. *Science* 238:1275-1278
	BS	Wolozin, B., P. Alexander, and J. Palacino. 1998. Regulation of apoptosis by presenilin 1. *Neurobiol. Aging* 19:S23-S27
	BT	Wolozin, B., K. Iwasaki, P. Vito, J.K. Ganjei, B. Lacana, T. Sunderland, B. Zhao, J.W. Kusiak, Wasco, W., and L. D'Adamio. 1996. Participation of presenilin 2 in Apoptosis: enhanced basal activity conferred by an AD mutation. *Science* 274:1710-1713
	BU	Woo, R.A., K.G. McLure, S.P. Lees-Miller, D.E. Rancourt, P.W.K. Lee. 1998. DNA-dependent protein kinase acts upstream of p53 in response to DNA damage. *Nature* 394:700-704
	BV	Wu, J.M., Y. Chen, S.M.L. Perruccio, M. Adbel-Ghany, and T.H. Carter. 1993. Phosphorylation of protein tau by double-stranded DNA-dependent protein kinase. *Biochem. Biophys. Res. Commun.* 193(1):13-18
	BW	Ye, Y., and M.E. Fortini. 1998. Characterization of Drosophila Presenilin and its colocalization with Notch during development. *Mech. Dev.* 79:199-211
	BX	Lessring, M.A., B.A. Paul, 1.Parker, C.W. Cotman, and F.M. LaFerla. 1999. Alzheimer's presenilin-1 mutation potentiates inositol 1,4,5-trisphosphate-mediated calcium signaling in Zenopus ooctyes. *J Neurochem.* 72:1061-1068

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